

Title (en)
TELESCOPIC MAST

Title (de)
TELESKOPMAST

Title (fr)
MÂT TÉLESCOPIQUE

Publication
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Application
EP 20190785 A 20200812

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ES 201931787 U 20191031

Abstract (en)
A safety brake for telescopic mast of several segments, of the type used in masts of light, surveillance or communication towers, wherein it comprises at least one retractable reel (14), firmly attached on the upper part of an external segment (8) of the telescopic mast (3) of the light, surveillance or communication tower (1), on which is wound a belt, cable or rope (15), finished at its free end in a securing piece (16), firmly attached on the lower internal part of an internal segment (9) of the telescopic mast (3), the belt, cable or rope (15) passing through the gap between both segments, the retractable reel (14) having means for winding and unwinding the said belt, cable or rope (15), having means for detecting a higher acceleration in the extraction of the belt, cable or rope (15) than that preset, and having means for blocking the belt, cable or rope (15) in the event of a higher acceleration in the extraction of the belt, cable or rope (15) than that preset. The safety brake for telescopic mast of several segments of light, surveillance or communication towers presented herein, affords numerous advantages over the devices currently available, the most important of these being that it prevents the total or partial collapse of the mast due to a malfunction of the latter. Another important advantage is that it guarantees greater safety for the operator during the use of the light, surveillance or communication tower, while the mast is totally or partially deployed. A further advantage of this invention is that the safety device enables the telescopic movement between the first mast element and second mast element to be blocked when the system descends at an uncontrolled speed, due, for example to a breakage of the cable.

IPC 8 full level
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Citation (applicant)
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• CN 202746979 U 20130220 - SHANDONG ROADWAY CONSTR MACH MFG CO LTD
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• [AD] CN 202746979 U 20130220 - SHANDONG ROADWAY CONSTR MACH MFG CO LTD

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